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NEWS 1	Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Feb 17 The CA Lexicon available in the CAPIUS and CA files
NEWS 3	Feb 26 Engineering Information Encapsus files have new names
NEWS 4	Feb 16 TOWLINE no longer being updated
NEWS 5	Apr 23 Search Derwent WPINLEM by chemical structure
NEWS 6	Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPIUS AND CA
NEWS 7	May 07 CBENE Reload
NEWS 8	Jun 20 Published patent applications (AI) are now in USPATFULL
NEWS 9	JUL 13 New SCI alert frequency now available in Derwent's DWPI and DPCI
NEWS 10	Aug 23 In-process records and more frequent updates now in MEILLINE
NEWS 11	Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPIUS AND CA
NEWS 12	Aug 23 Adis Newsletters (ADISNEWS) now available on STN
NEWS 13	Sep 17 IMSworld Pharmaceutical Company Directory name change to PHARMASEARCH
NEWS 14	Oct 09 Korean abstracts now included in Derwent World Patents Index
NEWS 15	Oct 09 Number of Derwent World Patents Index updates increased
NEWS 16	Oct 15 Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS 17	Oct 22 Over 1 million reactions added to CASREACT
NEWS 18	Oct 22 CBENE GETSIM has been improved
NEWS 19	Oct 29 AAASD no longer available
NEWS 20	Nov 19 New Search Capabilities USPATFULL and USPAT2
NEWS 21	Nov 19 TOXCENTER(SM) - new toxicology file now available on STN
NEWS 22	Nov 29 COPPERLIT now available on STN
NEWS 23	Nov 29 DWPI revisions to NTIS and US Provisional Numbers
NEWS 24	Nov 30 Files VETU and VETB to have open access
NEWS EXPRFSS	August 15 CURRENT WINDOWS VERSION IS V6.0c, CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP), AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
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E1 13 BENVENISTE I/AU
E2 14 BENVENISTE IRENE/AU
E3 394 --> BENVENISTE J/AU
E4 15 BENVENISTE JACQUES/AU
E5 2 BENVENISTE JAQUES/AU
E6 26 BENVENISTE F/AU
E7 1 BENVENISTE F B AU
E8 1 BENVENISTE F B P/AU
E9 3 BENVENISTE I/AU
E10 1 BENVENISTE I M AU
E11 1 BENVENISTE LEVKOVITZ PATRICIA/AU
E12 23 BENVENISTE M/AU
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E14 9 BENVENISTE MORRIS/AU
E15 1 BENVENISTE N/AU
E16 17 BENVENISTE O/AU
E17 15 BENVENISTE OLIVIER/AU
E18 114 BENVENISTE P/AU
E19 1 BENVENISTE PATRICIA/AU
E20 1 BENVENISTE PAUL/AU
E21 19 BENVENISTE PIERRE/AU
E22 92 BENVENISTE R/AU
E23 106 BENVENISTE R E/AU
E24 3 BENVENISTE R J/AU
E25 3 BENVENISTE RAOUY/AU

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394 "BENVENISTE J"/AU

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14 ELECTROMAGNETICS
1142 ELECTROMAGNETIC
(ELECTROMAGNETIC OR ELECTROMAGNETICS)

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111 47 SIGNAL

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RE ANSWER I .F I BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: I44831661 BIOSIS
DOCUMENT NUMBER: FRSV199310100161
TITLE: Molecular signaling at high dilution or by means of
electronic circuitry.
AUTHOR(S): Al'ass, J.; Litvine, M. H.; Attias, E.; **Benveniste,**
J.
CORPORATE SOURCE: INSERM U 201, 32 rue Carnets, 92140 Clamart France
SOURCE: Journal of Immunology, 1993 Vol. 150, No. 8 PART 2, pp.
146A.
Meeting Info.: Joint Meeting of the American Association
of Immunologists and the Clinical Immunology Society Denver,
Colorado, USA May 21-25, 1993
ISSN: 0022-1767.
DOCUMENT TYPE: Conference
LANGUAGE: English

=> FIL STNGUIDE
COST IN U.S. DOLLARS SINCE FILE TOTAL
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RI 17 BENVENISTE JAH
RJ 14 BENVENISTE JAH
P1 14 --> BENVENISTE JAH
P4 14 BENVENISTE JAH
P5 14 BENVENISTE JAH
P6 14 BENVENISTE JAH

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BENVENISTE F/B/F/AU
BENVENISTE I/AU
BENVENISTE I/M/AU
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BENVENISTE M/AU
BENVENISTE M/I/AU
BENVENISTE MIRRISS AU
BENVENISTE N/AU
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BENVENISTE R/E/AU
BENVENISTE R/J/AU
BENVENISTE RAQUEL/AU

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= DIS L2 1- IBIB
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DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L1 ANSWER 1 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1997:126566 BIOSIS
DOCUMENT NUMBER: PREV199739418679
TITLE: Presence of Paf-acether in human blood after thin-layer chromatography, but not after high-performance liquid chromatography purification.
AUTHOR(S): Izzo, Angelo A. (1); **Benveniste, Jacques**
CORPORATE SOURCE: (1) Dep. Exp. Pharmacol., University Naples "Federico II", via D. Mantesana 49, 80131 Naples Italy
SOURCE: Journal of Pharmacological and Toxicological Methods, (1996) Vol. 36, No. 4, pp. 219-221.
ISSN: 1056-8319.
DOCUMENT TYPE: Article
LANGUAGE: English

L2 ANSWER 2 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1996:363931 BIOSIS
DOCUMENT NUMBER: PREV199636392280
TITLE: Biochemical and cellular effects of heparin-protamine injection in rabbits are partially inhibited by a PAF-acether receptor antagonist.
AUTHOR(S): Aissa, Jimal I.; Nathan, Nathalie; Arnoux, Bernard; **Benveniste, Jacques**
CORPORATE SOURCE: (1) INSERM U540, 1, Rue du Farne, 91140 Clamart France
SOURCE: Journal of Pharmacy, 1996 Vol. 37, No. 1, pp. 1-10.
ISSN: 0021-4930.

DOCUMENT TYPE: Article
LANGUAGE: English

LI ANSWER 3 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1996:104456 BIOSIS
DOCUMENT NUMBER: PREV199698676621
TITLE: Modulation of human neutrophil adhesion by 'electrostatic' palmitoyl myristate acetate PMA.
AUTHOR(S): Thomas, Yol; Che, I.; Litvine, Heidi; **Benveniste, Jacques**
CORPORATE SOURCE: (1) CNRS URA 1442, 60206 Compiegne France
SOURCE: FASEB Journal, 1996 Vol. 10, No. 6, pp. A1479.
Meeting Info.: Joint Meeting of the American Society for Biochemistry and Molecular Biology, the American Society for Investigative Pathology and the American Association of Immunologists New Orleans, Louisiana, USA June 2-6, 1996
ISSN: 0892-6638.

DOCUMENT TYPE: Conference
LANGUAGE: English

LI ANSWER 4 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1996:104456 BIOSIS
DOCUMENT NUMBER: PREV199698676621
TITLE: Intraluminal excretion of PAF, LysoPAF, and acetylhydrolase
in patients with ulcerative colitis.
AUTHOR(S): Guimbaud, Rosine; Izze, Angelo; Martinclie, Jean Pierre; Vidon, Nicole; Scuturier, Daniel; **Benveniste, Jacques**; Chauvade, Stanislas (1)
CORPORATE SOURCE: (1) Service d'Hepato-gastroenterologie, Hopital Cochin, 27 rue du Faubourg Saint-Jacques, 75014 Paris France
SOURCE: Digestive Diseases and Sciences, (1995) Vol. 40, No. 12, pp. 2635-2640.
ISSN: 0163-2116.

DOCUMENT TYPE: Article
LANGUAGE: English

LI ANSWER 5 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1996:357557 BIOSIS
DOCUMENT NUMBER: PREV199598371857
TITLE: Human umbilical vein endothelial cells: Specific binding of platelet-activating factor and cytosolic calcium flux.
AUTHOR(S): Korth, Ruth-Maria (1); Hirafuji, Masahiko; **Benveniste, Jacques**; Russel-Marie, Françoise
CORPORATE SOURCE: (1) Forschung Allgemeinmed. FIDA, Palestinastr. 7A, D-8063 Munich Germany
SOURCE: Biochemical Pharmacology, (1995) Vol. 49, No. 12, pp. 1793-1799.
ISSN: 0006-2952.

DOCUMENT TYPE: Article
LANGUAGE: English

LI ANSWER 6 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1996:104456 BIOSIS
DOCUMENT NUMBER: PREV199698676621
TITLE: C-type-dependent cation channels in human basophils: Do they exist?
AUTHOR(S): Bourouis, Frédéric (1); Portet, Yannick; **Benveniste, Jacques**

1) CORPORAUTE SOURCE: IN INSERM U200, Salle de Malte, Hop. Saint-Louis, 1 AVB.
Claude Benveniste, 75675 Paris France
SEARCH: Immunology Letters, 1993 Vol. 46, No. 1-2, pp. 11-13.
ISSN: 0168-3478.

DOCUMENT TYPE: Article
LANGUAGE: English

2) ANSWER 7 OF 16 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1995:198091 BIOSIS
DOCUMENT NUMBER: PREV199598207391
TITLE: Direct transmission to cells of a molecular signal
Lipophilic myristate acetate, PMA, via an electronic device.
AUTHOR(S): Thomas, Yolene (1); Schiffi, Michel; Litime, M. Hedi (1);
Belkadi, Laurent (1); **Benveniste, Jacques (1)**
CORPORATE SOURCE: (1) INSERM U 200, 32 rue des Carnets, 92140 Clamart France
SOURCE: FASEB Journal, (1995) Vol. 9, No. 3, pp. A227.
Meeting Info.: Experimental Biology '95, Part I Atlanta,
Georgia, USA April 9-13, 1995
ISSN: 0892-6638.

DOCUMENT TYPE: Conference
LANGUAGE: English

3) ANSWER 8 OF 16 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1995:3849 BIOSIS
DOCUMENT NUMBER: PREV199598018149
TITLE: Correlations between Paf-acether (PAF) and tumor necrosis factor (TNF) in active rheumatoid arthritis (RA).
AUTHOR(S): Hilliquin, Pascal (1); Arnoux, Bernard; **Benveniste, Jacques**; Nenkes, Charles-Joel (1)
CORPORATE SOURCE: (1) Serv. Rhumatol. A, Hop. Cochin, Paris 2 France
SOURCE: Arthritis & Rheumatism, (1994) Vol. 37, No. 9 SUPPL., pp. S193.
Meeting Info.: 58th National Scientific Meeting of the American College of Rheumatology and the 29th National Scientific Meeting of the Association of Rheumatology Health Professionals Minneapolis, Minnesota, USA October 23-27, 1994
ISSN: 0004-3591.

DOCUMENT TYPE: Conference
LANGUAGE: English

4) ANSWER 9 OF 16 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1994:279112 BIOSIS
DOCUMENT NUMBER: PREV199497292112
TITLE: Modulation of stress proteins by Cd-2+ in a human T cell line.
AUTHOR(S): Bellegriini, Olivier; Davenas, Elisabeth; Morin, Laurence; Tsangaris, George T.; **Benveniste, Jacques**; Manual, Yves; Thomas, Yolene (1)
CORPORATE SOURCE: (1) Inst. Natl. Sante Recherche Med. U200, 32 rue Carnets, 92140 Clamart France
SOURCE: European Journal of Pharmacology: Environmental Toxicology and Pharmacology Section, (1994) Vol. 3, No. 2-3, pp. 221-228.
ISSN: 0014-2994.

DOCUMENT TYPE: Article
LANGUAGE: English

5) ANSWER 10 OF 16 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 11441775 BIOSIS

- L1 DOCUMENT NUMBER: PREV199396116711
TITLE: Cadmium induces apoptosis in a human T cell line.
AUTHOR(S): El Azzouzi, Bouchra; Tsangaris, George T.; Pellegrini, Olivier; Manuel, Yves; **Benveniste, Jacques**; Thomas, Volene J.
CORPORATE SOURCE: I Inst. National Sante, Recherche Med., Unité 200, 31 rue Carnets, 92140 Clamart France
SOURCE: Toxicology, (1994) Vol. 98, No. 1-3, pp. 127-138.
ISSN: 0300-489X.
- DOCUMENT TYPE: Article
LANGUAGE: English
- L2 ANSWER 11 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1993:485111 BIOSIS
DOCUMENT NUMBER: PREV199396116711
TITLE: The effects of zinc on guinea pig isolated heart preparations.
AUTHOR(S): Kalfakakou, Vicky P. (1); Evangelou, Angelos M.; **Benveniste, Jacques**; Arnoux, Bernard
CORPORATE SOURCE: (1) Lab. Experimental Physiol., Fac. Med., Univ. Ioannina, Ioannina 45110 Greece
SOURCE: Biological Trace Element Research, (1993) Vol. 38, No. 3, pp. 289-299.
ISSN: 0163-4984.
- DOCUMENT TYPE: Article
LANGUAGE: English
- L3 ANSWER 12 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1993:225267 BIOSIS
DOCUMENT NUMBER: PREV199395116442
TITLE: Human platelets release a paf-acether: Acetylhydrolase similar to that in plasma.
AUTHOR(S): Worth, Ruth; Bidault, Jocelyne; Palmantier, Remi; **Benveniste, Jacques** (1); Ninio, Ewa
CORPORATE SOURCE: (1) INSERM U200, 32 rue des Carnets, 92140 Clamart France
SOURCE: Lipids, (1993) Vol. 28, No. 3, pp. 193-199.
ISSN: 0024-4261.
- DOCUMENT TYPE: Article
LANGUAGE: English
- L4 ANSWER 13 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1993:182962 BIOSIS
DOCUMENT NUMBER: PREV199395093412
TITLE: Immunoregulatory functions of PAF-acether: IX. Modulation of apoptosis in an immature T cell line.
AUTHOR(S): El Azzouzi, Bouchra; Jurgens, Peter; **Benveniste, Jacques**; Thomas, Volene
CORPORATE SOURCE: Inst. National Sante Recherche Med. U 200, 32 rue des Carnets, 92140 Clamart France
SOURCE: Biochemical and Biophysical Research Communications, (1993) Vol. 180, No. 2, pp. 320-324.
ISSN: 0006-291X.
- DOCUMENT TYPE: Article
LANGUAGE: English
- L5 ANSWER 14 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1993:142511 BIOSIS
DOCUMENT NUMBER: PREV199395093412
TITLE: Production of PAF-acether in sputum of patients with cystic fibrosis.

AUTHOR(S): put in to fight viral or parasitic diarrhoea.
 Benoist, Yves (1); Chaussade, Stanislas; De Poissieu,
 Delphine; Dupont, Christophe; Nathan, Nathalie;
Benveniste, Jacques; Courcier, Daniel
 DIFF PATH SOURCE: (1) INSERM U 131, Faculte de Medecine, 3 rue du Dr.
 Marliani, 92140 Clamart France
 SOURCE: Immunology & Infectious Diseases Africa, 1992 Vol. 1,
 No. 4, pp. 269-273.
 ISSN: 0879-4957.
 DOCUMENT TYPE: Article
 LANGUAGE: English

12 ANSWER 15 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
 ACCESSION NUMBER: 1993:74759 BIOSIS
 DOCUMENT NUMBER: PREV199395039259
 TITLE: Regulation of PAF-acether receptor expression in human B cells.
 AUTHOR(S): Nguer, Cheikh Momar; Pellegrini, Olivier; Galanaud, Pierre;
Benveniste, Jacques; Thomas, Yolene; Richard, Yolande (1)
 CORPORATE SOURCE: (1) INSERM U 131, 32 rue des Carnets, 92140 Clamart France
 SOURCE: Journal of Immunology, (1992) Vol. 149, No. 8, pp. 2742-2748.
 ISSN: 0022-1767.
 DOCUMENT TYPE: Article
 LANGUAGE: English

=> FILE STNGUIDE	SINCE FILE	TOTAL
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FULL ESTIMATED COST	30.35	34.39

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=> FILE BIOSIS	SINCE FILE	TOTAL
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FULL ESTIMATED COST	3.00	34.39

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LAST INDEXED: 6 December 2001 (20011206/EP)

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LI ANSWER 1 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1997:1126961 BIOSIS
DOCUMENT NUMBER: PREV1993PREV199673
TITLE: Presence of Paf-acether in human blood after thin-layer chromatography, but not after high-performance liquid chromatography purification.
AUTHOR(S): Izzo, Angelo A. I ; Benveniste, Jacques
CORPORATE SOURCE: (1) Dep. Exp. Pharmacol., University Naples "Federico II", via D. Montesano 43, 80131 Naples Italy
SOURCE: Journal of Pharmacological and Toxicological Methods, (1996) Vol. 36, No. 4, pp. 219-221.
ISSN: 1056-0719.
DOCUMENT TYPE: Article
LANGUAGE: English
AB After HPLC purification of human blood extracts, paf-acether (paf) was found exclusively as a lipoprotein-bound compound (lipopaf), whereas free-paf was absent. When the same samples (or lipopaf recovered from HPLC) were purified by TLC, both free-paf and lipopaf were detected. The free-paf detected in blood samples could thus result from lipopaf dissociation during TLC purification.

LI ANSWER 2 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1996:369931 BIOSIS
DOCUMENT NUMBER: PREV199699092287
TITLE: Biochemical and cellular effects of heparin-protamine injection in rabbits are partially inhibited by a PAF-acether receptor antagonist.
AUTHOR(S): Aissa, Jamal (1); Nathan, Nathalie; Arnoux, Bernard;
Benveniste, Jacques
CORPORATE SOURCE: (1) INSERM U 206, 32 Rue des Carnets, 92140 Clamart France
SOURCE: European Journal of Pharmacology, (1996) Vol. 302, No. 1-3,
pp. 123-128.
ISSN: 0014-2999.
DOCUMENT TYPE: Article
LANGUAGE: English
AB The origin of the thrombocytopenia and leucopenia induced by protamine-heparin complexes is unknown. We studied the biochemical and cellular effects of protamine (6 mg times kg-1, i.v.) injected after heparin (5 mg X kg-1, i.v.) in New Zealand rabbits. After protamine injection (0.5 min) increases in blood platelet-activating factor (PAF-acether, PAF) (27.6 +- 27.6 to 148.2 +- 48.9 pg X ml-1, P < 0.05), thrombocytopenia (403 +- 64 to 166 +- 13 cells X 10-3 X mm-3 X mm-3, P < 0.05) and leucopenia (7650 +- 930 to 4300 +- 668 cells X mm-3, P < 0.05) were noted. Plasma thromboxane B-2 increased at 1 min (125.6 +- 24.4 to 879.7 +- 141.0 pg X ml-1, P < 0.01). Protamine alone induced no change.

Indomethacin (3 mg X kg-1, i.v.) did not counteract the effects of heparin-protamine. Pretreatment with the PAF receptor antagonist BN 52021 (9H,7a-epoxymethanol-1H,6aH-cyclopenta[cl]furo[2,3-b]furo-[3',2',3,4]cyclopenta[1,2-d]furan-3,9,11-(4H)tricne,3-tert-butylhexahydro-4,7b,11-hydroxy-3-methyl-alone (3 mg X kg-1, i.v.) delayed thrombocytopenia and reduced plasma thromboxane B-2 concentration but did not reverse leucopenia. This thrombocytopenia and thromboxane B-2 release triggered by heparin-protamine may be potentiated by the release of PAF.

LI ANSWER 3 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1997:1126961 BIOSIS

DOCUMENT NUMBER: PREV19969876621
TITLE: Modulation of human neutrophil activation by 'leucotriene'
phorbol myristate acetate PMA.
AUTHOR(S): Thomas, Yves (1); Litvine, Heidi; **Benveniste,**
Jacques
1: CNRS URA 1441, Villejuif, Paris, France
SOURCE: FASEB Journal, cited Vol. 10, No. 4, pp. A147A.
Meeting Info.: Joint Meeting of the American Society for
Biochemistry and Molecular Biology, the American Society for
Investigative Pathology and the American Association
of
Immunologists New Orleans, Louisiana, USA June 2-6, 1996
ISSN: 0892-6638.

DOCUMENT TYPE: Conference
LANGUAGE: English

L2 ANSWER 4 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1996:104496 BIOSIS
DOCUMENT NUMBER: PREV19969876621
TITLE: Intraluminal excretion of PAF, LyscPAF, and
acetylhydrolase
AUTHOR(S): Guimbaud, Rosine; Izzo, Angelo; Martinolle, Jean Pierre;
Vidon, Niccole; Couturier, Daniel; **Benveniste,**
Jacques; Chaussade, Stanislas (1)
CORPORATE SOURCE: (1) Service d'Hepato-gastroenterologie, Hopital Cochin, 27
rue du Faubourg Saint-Jacques, 75014 Paris France
SOURCE: Digestive Diseases and Sciences, (1996) Vol. 40, No. 12,
pp. 2635-2640.
ISSN: 0163-2116.

DOCUMENT TYPE: Article
LANGUAGE: English

AB PAF-acether (PAF) is a phospholipid synthesized by numerous inflammatory cells. PAF can produce several pathological changes in various organs, especially in the colon. In animals PAF causes colonic ulceration and inflammation, which are similar to the anatomic lesions seen in human ulcerative colitis. The aim of this study was to measure in vivo colonic production of PAF in active ulcerative colitis using a modified colonic perfusion method. Ten patients with active ulcerative colitis and six control patients were investigated. A colonic segment was continuously perfused with a buffer and the liquid was recovered 20 cm distally, after a 45-min period of equilibration, at 20-min intervals. PAF, lyscPAF, and acetylhydrolase were measured in the colonic samples. PAF and lyscPAF outputs were significantly higher in patients with active ulcerative colitis compared to controls patients. There was a significant correlation

between colonic PAF output and, respectively, macroscopic mucosal lesions and myeloperoxidase colonic output. We thus conclude: (1) the colonic perfusion method allows in vivo study of the metabolism of PAF during ulcerative colitis and could also be used to study the efficiency of PAF antagonists in UC; and (2), colonic production of PAF is increased during ulcerative colitis and correlated to local injury and inflammation. Whether or not PAF plays a role in the pathogenesis of ulcerative colitis remains open for further investigations.

L3 ANSWER 5 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1996:104496 BIOSIS
DOCUMENT NUMBER: PREV19969876621
TITLE: Human umbilical vein endothelial cells: Specific binding
of platelet-activating factor and cytosolic calcium flux.

AUTHOR(S): Horin, Fran-Maria I.; Hiraiwa, Masunaga; **Benveniste, Jacques**; Russo-Marie, Priscille
CORPORATE SOURCE: (1) Forschung Allgemeinmed. FIBA, Palestinastr. 7A,
D-80639 Munich Germany
SOURCE: Biochemical Pharmacology, 1995 Vol. 49, No. 10, pp.
1729-1733.
ISSN: 0006-2959.

DOCUMENT TYPE: Article
LANGUAGE: English

AB An interaction of the platelet-activating factor Paf with endothelial cells was investigated using human umbilical vein endothelial cells. Confluent endothelial cells bound ^{3}H Paf in the presence of 0.25% fatty acid-free serum albumin after culture in media containing either heat-inactivated foetal calf serum or serum substitute. The Scatchard analysis of the saturated specific ^{3}H Paf binding showed a B-max of 2.5 fmol indicating 2800 binding sites per endothelial cell. ^{3}H Paf binding was partially reversible at 20 degree and 4 degree and endothelial cells partially metabolized ^{3}H Paf at 20 degree but not at 4 degree. ^{3}H Paf binding and Paf-mediated increase of cytosolic free calcium were inhibited by specific Paf receptor antagonists which do not interfere with Paf metabolism. Immortalized umbilical vein endothelial cells bound ^{3}H Paf specifically after culture in the presence of insulin (20 hr, 0.4 U/mL) with non-specific binding in the absence of insulin. The results show that specific Paf binding mediated calcium flux in human endothelial cells.

M2 ANSWER 6 OF 16 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1995:345919 BIOSIS
DOCUMENT NUMBER: PREV199591360219
TITLE: Voltage-dependent ion channels in human basophils: Do they exist.
AUTHOR(S): Beauvais, Francis (1); Burdin, Claude; **Benveniste, Jacques**
CORPORATE SOURCE: (1) INSERM U312, Salle de Malte, Hop. Saint-Louis, 1 Ave. Claude Vellefaux, 75010 Paris France
SOURCE: Immunology Letters, (1995) Vol. 46, No. 1-2, pp. 81-83.
ISSN: 0165-2478.

DOCUMENT TYPE: Article
LANGUAGE: English

AB The presence of voltage-dependent ion channels (particularly Ca-2+ channels) on the surface of 'non excitable' cells such as human basophils is a matter of debate. Indeed, in basophils, Ca-2+ entry or mobilization is not sufficient by itself to trigger secretion, although enhanced cytosolic Ca-2+ concentration increases it. In order to address this question, we used a two-signal model and we report here experiments which suggest the presence of voltage-dependent structures directly or indirectly linked to membrane Ca-2+ pathways. Indeed, it is known that, in the presence of PMA at threshold concentration (1st signal), elevation of cytosolic Ca-2+ (2nd signal) induces histamine release. We observed that a depolarizing external solution (high K+) induced a Ca-2+-dependent release of histamine from PMA-treated human basophils. High K+ alone did not induce histamine release. Although the voltage-sensitive component and the signal coupling mechanism remain to be defined, these results suggest that this voltage-dependent Ca-2+ influx in the human basophil could participate in the up-regulation of histamine release.

L2 ANSWER 1 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1995:1981:BI BIOSIS
DOCUMENT NUMBER: PREV199592117691
TITLE: Direct transmission to cells of a molecular signal
phorbol myristate acetate, PMA via an electronic device.
AUTHOR(S): Thomas, Yolene (1); Manal, Michael; Hiltz, M. Heil (1);
Belkadi, Laurent (1); **Benveniste, Jacques** (1)
CORPORATE SOURCE: (1) INSERM U200, 32 rue des Carnets, 92140 Clamart France
SOURCE: FASEB Journal, (1995) Vol. 9, No. 3, pp. A227.
Meeting Info.: Experimental Biology 95, Part I Atlanta,
Georgia, USA April 9-13, 1995
ISSN: 0892-6638.

DOCUMENT TYPE: Conference
LANGUAGE: English

L2 ANSWER 5 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1995:3849 BIOSIS
DOCUMENT NUMBER: PREV199592018149
TITLE: Correlations between Paf-acether (PAF) and tumor necrosis
factor (TNF) in active rheumatoid arthritis (RA).
AUTHOR(S): Hilliquin, Pascal (1); Arnoux, Bernard; **Benveniste,**
Jacques; Merkes, Charles-Joel (1)
CORPORATE SOURCE: (1) Serv. Rhumatol. A, Hop. Cochin, Paris 2 France
SOURCE: Arthritis & Rheumatism, (1994) Vol. 37, No. 9 SUPPL., pp.
S193.
Meeting Info.: 58th National Scientific Meeting of the
American College of Rheumatology and the 29th National
Scientific Meeting of the Association of Rheumatology
Health Professionals Minneapolis, Minnesota, USA October
23-27, 1994
ISSN: 0004-3591.

DOCUMENT TYPE: Conference
LANGUAGE: English

L2 ANSWER 9 OF 15 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1994:279112 BIOSIS
DOCUMENT NUMBER: PREV199497292112
TITLE: Modulation of stress proteins by Cd-2+ in a human T cell
line.
AUTHOR(S): Pellegrini, Olivier; Davenas, Elisabeth; Morin, Laurence;
Tsangaris, George T.; **Benveniste, Jacques**;
Manal, Yves; Thomas, Yolene (1)
CORPORATE SOURCE: (1) Inst. Natl. Sante Recherche Med. U200, 32 rue Carnets,
92140 Clamart France
SOURCE: European Journal of Pharmacology Environmental Toxicology
and Pharmacology Section, (1994) Vol. 3, No. 2-3, pp.
221-228.
ISSN: 0926-6817.

DOCUMENT TYPE: Article
LANGUAGE: English

AP We previously showed in a human T cell line (CEM-CI2 cells) that Cd-2+ induced gene expression of stress proteins, metallothionein-II-A and heat shock protein 70 in a time- and dose-dependent manner. In the present study, CEM-CI2 cells were pretreated for 24 h with 1 microM Cd-2+ and then challenged with toxic concentrations of this metal. We found that maximal expression of the metallothionein-II-A and heat shock protein 70 genes was reached at this maximal level of expression in human Cd-2+ Lewis rat fibroblasts. Antisense RNA experiments indicated that Cd-2+ pretreatment did not affect metallothionein-II-A mRNA stability. This

modulatory effect of Cd- I^+ pretreatment was dose-dependent from 1-10 μM to 1-100 μM . Such pretreatment also enhanced resistance to Cd- I^+ toxicity. Finally, verapamil, a calcium potassium channel blocker displaced the dose-response curve for Cd- I^+ toxicity as well as metallothionein-II-A and heat shock protein 70 gene expression at higher Cd- I^+ concentrations.

12 ANSWER TO 10 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1994:279021 BIOSIS
DOCUMENT NUMBER: PBEV199407292021
TITLE: Cadmium induces apoptosis in a human T cell line.
AUTHOR(S): El Azzouzi, Bouchra; Tsangaris, George T.; Pellegrini, Olivier; Manuel, Yves; Benveniste, Jacques; Thomas, Yolene I.
CORPORATE SOURCE: (1) Inst. National Sante, Recherche Med., Unité 200, 32 rue Carnets, 92140 Clamart France
SOURCE: Toxicology, (1994) Vol. 88, No. 1-3, pp. 127-139.
ISSN: 0300-483X.

DOCUMENT TYPE: Article
LANGUAGE: English

AB Cadmium, a potent toxic metal, poses a serious environmental threat but the mechanisms of its toxicity remain unclear. In the present study, we investigated the nature of cadmium-induced cell death in the human T cell line CEM-C12. Cadmium was time- and dose-dependently toxic for CEM-C12 cells, cell death being preceded by chromatin condensation and DNA fragmentation. Quantification of the latter indicated an increase above 4 μM cadmium, with maximal fragmentation at 8 to 10 μM . By contrast, when CEM-C12 cells were exposed to higher cadmium concentrations (50 μM), cell death increased without concomitant chromatin condensation or DNA fragmentation. Thus, cadmium at low and high concentration kills CEM-C12 cells by apoptosis and necrosis, respectively. Addition of cycloheximide reduced the apoptotic effect of cadmium, suggesting that cadmium-induced apoptosis is an process depending on protein synthesis. Verapamil, a calcium/potassium channel blocker, markedly increased the viability of CEM-C12 cells treated by low cadmium concentrations and prevented DNA fragmentation. The apoptotic effect of cadmium suggests a possible mechanism for lymphocyte damage occurring after *in vivo* exposure to cadmium.

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L3 ANSWER 1 OF 4 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1999:277497 BIOSIS
DOCUMENT NUMBER: PREV199900277497
TITLE: Remote detection of bacteria using an
electromagnetic/digital procedure.
AUTHOR(S): Benveniste, J. (1); Kakkak, L. (1); **Guillonnet, D.**
(1)
CORPORATE SOURCE: (1) Digital Biology Laboratory, Clamart France
SOURCE: FASEB Journal, (March 15, 1999) Vol. 13, No. 5 PART 2, pp.
A632.
Meeting Info.: Annual Meeting of the Professional Research
Scientists on Experimental Biology 99 Washington, D.C.,
USA
April 17-21, 1999 Federation of American Societies for
Experimental Biology
. ISSN: 0892-6638.
DOCUMENT TYPE: Conference
LANGUAGE: English

L3 ANSWER 2 OF 4 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1999:171514 BIOSIS
DOCUMENT NUMBER: PREV199900171514
TITLE: The molecular signal is not functional in the absence of
"informed" water.
AUTHOR(S): Benveniste, J.; Aissa, J.; **Guillonnet, D.**
CORPORATE SOURCE: D.E.L., Clamart France
SOURCE: FASEB Journal, (March 12, 1999) Vol. 13, No. 4 PART 1, pp.
A163.
Meeting Info.: Annual Meeting of the Professional Research
Scientists for Experimental Biology 99 Washington, D.C.,
USA April 17-21, 1999
ISSN: 0892-6638.
DOCUMENT TYPE: Conference
LANGUAGE: English

L3 ANSWER 3 OF 4 BIOSIS COPYRIGHT 2001 BIOSIS
ACCESSION NUMBER: 1999:166407 BIOSIS
DOCUMENT NUMBER: PREV199900166407
TITLE: A simple and fast method for in vivo demonstration of
electromagnetic molecular signaling (EMS) via high
resolution
AUTHOR(S): Benveniste, J.; Aissa, J.; **Guillonnet, D.**
CORPORATE SOURCE: D.E.L., Clamart France
SOURCE: FASEB Journal, March 12, 1999 Vol. 13, No. 4 PART 1, pp.
A163.

Meeting Info.: Annual Meeting of the Professional Research
 Scientists for Experimental Biology '98 Washington, D.C.,
 USA April 17-21, 1998
 ISSN: 1891-6636.
 DOCUMENT TYPE: Conference
 LANGUAGE: English
 ID ANSWER 4 OF 4 BIOSIS COPYRIGHT © 1998 BIOSIS
 ACCESSION NUMBER: 1998:200765 BIOSIS
 DOCUMENT NUMBER: PREV199800011765
 TITLE: Digital biology: Specificity of the digitized molecular
 signal.
 AUTHOR(S): Benveniste, J.; Aissa, J.; Guillonnet, D.
 CORPORATE SOURCE: Digital Biol. Lab., 32 rue des Carnets, 92140 Clamart
 France
 SOURCE: FASEB Journal, March 17, 1998, Vol. 12, No. 4, pp. A412.
 Meeting Info.: Annual Meeting of the Professional Research
 Scientists on Experimental Biology '98, Part 1 San
 Francisco, California, USA April 18-22, 1998 Federation of
 American Societies for Experimental Biology
 ISSN: 1891-6636.
 DOCUMENT TYPE: Conference
 LANGUAGE: English

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